

Curriculum Planner (Department of Computer Science)

Course: BSc Phy Science
Semester: VI
Paper: PHP Programming
Teacher Name: - Dr. Sushil Malik

Topic	Contents of Book	References	Schedule(Aproximate)
Unit 1 - Introduction: Introduction to three tier web application development, front end, business layer and back end connectivity, role of PHP in web application development, software requirements.	[3] Ch1 (Pg 10-18) [3] Ch8 (Pg 450-451,454-456,459-460,467-468,470-471) [3] Pg 330 [For definition of authorization]	[1]	January 2023
Unit 2 - Starting PHP Programming: Basics of PHP programming, variables, scope of a variable, expressions, operators, operator precedence, simple procedural scripts, decision making based on conditions, case structure, loops.	Chapter 3 (pg 35-53, 55-59 (till global variables)) Chapter 4 (pg 63-91(till implicit and explicit casting))	[1]	
Unit 3 - Modular Programming: Functions and objects, Passing parameters.	Chapter 5 (pg 95-109)	[1]	February 2023
Unit 4 - Strings and Arrays: Creating and accessing strings, built-in functions for string and string formatting, creating index based and associative array, accessing array elements.	Chapter 6 (pg 123-128, 132-136) from [1] Chapter 4(till pg 124) from [2]	[1] [2]	
Unit 5 - Forms and form processing: Capturing form data, GET and POST form methods, processing of form data, and use of regular expressions.	Chapter 11 (till page 283) [1] Chapter 4(pg 124-130) from [2]	[1] [2]	March 2023
Unit 6 - Integrating PHP & DBMS: Connecting PHP and DBMS, creating database, defining database structure and accessing data stored in tables using PHP.	Chapter 10 (pg 234, 235, 248-252)	[1]	April 2023

References:

- [1] Nixon, R. (2014). Learning PHP, MySQL, JavaScript, CSS & HTML5. 4th Edition, O'reilly.
- [2] Welling, L., Thompson, L. (2008). PHP and MySQL Web Development. 4th Edition, Addison-Wesley Professional.

Additional Resources:

1. Boronczyk, T., & Psinas, M. E. (2008). PHP and MYSQL (Create-Modify-Reuse). Wiley India Private Limited.
2. Holzner, S. (2007). PHP: The Complete Reference. McGraw Hill Education (India).
3. Sklar, D., & Trachtenberg, A. (2014). PHP Cookbook: Solutions & Examples for PHP Programmers. O'Reilly Media.